

REMARKS

Claims 1-56 are pending.

This application has been filed with informal drawings that are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

Claims 1-56 stand rejected based on 35 U.S.C. § 101 as being directed to nonpatentable subject matter. The claims have been amended to recite more clearly the physical aspects of the invention. In particular, the amended claims recite apparatus and method for creating a model of a combined physical system having physical properties. The claimed invention relates to a mathematical model of a physical system. The model has numerical values that represent physical aspects of the physical system. The invention allows, for example, engineers to model, test, and predict the response of a physical system without the need to build the physical system. Such systems can include geophysics, fluid flow, and other physical systems. For these reasons, they claimed the invention provides a useful and tangible result and thus the rejections should be withdrawn.

In view of all of the foregoing, Applicants submit that this case is in condition for allowance and such allowance is earnestly solicited.

Respectfully submitted,

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